



NOTICE OF AUTHORIZATION

Permit Number: WRP048079 v.1
Site Name: 27 - U.S. - 2 at Cedar Creek

Date Issued: March 3, 2026
Expiration Date: March 3, 2031

The Michigan Department of Environment, Great Lakes, and Energy (EGLE), Water Resources Division, P.O. Box 30458, Lansing, Michigan 48909-7958, under provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended; specifically:

- Part 31, Floodplain Regulatory Authority of the Water Resources Protection.
- Part 301, Inland Lakes and Streams.
- Part 303, Wetlands Protection.
- Part 315, Dam Safety.
- Part 323, Shorelands Protection and Management.
- Part 325, Great Lakes Submerged Lands.
- Part 353, Sand Dunes Protection and Management.

Authorized activity:

Excavate a total of 36 cubic yards of material (approximately nine [9] cubic yards at each wingwall) to expose and repair the wingwalls with a layer of concrete “shotcrete” on the existing 68-foot-long by 10-foot span by eight (8) foot rise twin barrel box culvert at the US-2 crossing of Cedar Creek. Use sandbag cofferdams to isolate the work areas from the stream. Total wetland impact is approximately 600 square feet. Restore the slopes to the previous elevations at completion of the wingwall repairs.

All work shall be performed according to the attached plans and permit conditions.

To be conducted at property located in: Gogebic County, Waterbody: Cedar Creek
Section 05, Town 44N, Range 38W, Watersmeet Township

Permittee:
Michigan Department of Transportation
1818 3rd Avenue North
Escanaba, Michigan 49829

John Gustafson
Transportation Review Unit
Water Resources Division
906-203-9887

*This notice must be displayed at the site of work.
Laminating this notice or utilizing sheet protectors is recommended.*
Please refer to the above permit number with any questions or concerns.

EGLE
WRP048079 v1.0
Approved
Issued On:03/03/2026
Expires On:03/03/2031



**MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
WATER RESOURCES DIVISION
PERMIT**

Issued To:

**Michigan Department of Transportation
1818 3rd Avenue North
Escanaba, Michigan 49829**

**Permit No: WRP048079 v.1
Submission No.: HQJ-HW1R-3WH84
Site Name: 27 - U.S. - 2 at Cedar Creek
Issued: March 3, 2026
Revised:
Expires: March 3, 2031**

This permit is being issued by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Water Resources Division, under the provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA); specifically:

- | | |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Part 301, Inland Lakes and Streams | <input type="checkbox"/> Part 323, Shorelands Protection and Management |
| <input checked="" type="checkbox"/> Part 303, Wetlands Protection | <input type="checkbox"/> Part 325, Great Lakes Submerged Lands |
| <input type="checkbox"/> Part 315, Dam Safety | <input type="checkbox"/> Part 353, Sand Dunes Protection and Management |
| <input checked="" type="checkbox"/> Part 31, Water Resources Protection (Floodplain Regulatory Authority) | |

EGLE certifies that the activities authorized under this permit are in compliance with the State Coastal Zone Management Program and certifies without conditions under the Federal Clean Water Act, Section 401 that the discharge from the activities authorized under this permit will comply with Michigan's water quality requirements in Part 31, Water Resources Protection, of the NREPA and associated administrative rules, where applicable.

Permission is hereby granted, based on permittee assurance of adherence to State of Michigan requirements and permit conditions, to:

Authorized Activity:

Excavate a total of 36 cubic yards of material (approximately nine [9] cubic yards at each wingwall) to expose and repair the wingwalls with a layer of concrete "shotcrete" on the existing 68-foot-long by 10-foot span by eight (8) foot rise twin barrel box culvert at the US-2 crossing of Cedar Creek. Use sandbag cofferdams to isolate the work areas from the stream. Total wetland impact is approximately 600 square feet. Restore the slopes to the previous elevations at completion of the wingwall repairs.

All work shall be performed according to the attached plans and permit conditions.

**EGLE
WRP048079 v1.0
Approved
Issued On:03/03/2026
Expires On:03/03/2031**

Waterbody Affected: Cedar Creek

Property Location: Gogebic County, Watersmeet Township, Town 44N /Range 38W /Section 05

Authority granted by this permit is subject to the following limitations:

- A. Initiation of any work on the permitted project confirms the permittee's acceptance and agreement to comply with all terms and conditions of this permit.
- B. The permittee, in exercising the authority granted by this permit, shall not cause unlawful pollution as defined by Part 31 of the NREPA.
- C. This permit shall be kept at the site of the work and available for inspection at all times during the duration of the project or until its date of expiration.
- D. All work shall be completed in accordance with the approved plans and specifications submitted with the application and/or plans and specifications attached to this permit.
- E. No attempt shall be made by the permittee to forbid the full and free use by the public of public waters at or adjacent to the structure or work approved.
- F. It is made a requirement of this permit that the permittee give notice to public utilities in accordance with 2013 PA 174 (Act 174) and comply with each of the requirements of Act 174.
- G. This permit does not convey property rights in either real estate or material, nor does it authorize any injury to private property or invasion of public or private rights, nor does it waive the necessity of seeking federal assent, all local permits, or complying with other state statutes.
- H. This permit does not prejudice or limit the right of a riparian owner or other person to institute proceedings in any circuit court of this state when necessary to protect his rights.
- I. Permittee shall notify EGLE within one (1) week after the completion of the activity authorized by this permit by completing and forwarding the attached EGLE Notice of Completion Card.
- J. Failure to comply with conditions of this permit may subject the permittee to revocation of permit and criminal and/or civil action as cited by the specific state act, federal act, and/or rule under which this permit is granted.
- K. All dredged or excavated materials shall be disposed of in an upland site (outside of floodplains, unless exempt under Part 31 of the NREPA, and wetlands).
- L. In issuing this permit, EGLE has relied on the information and data that the permittee has provided in connection with the submitted application for permit. If, subsequent to the issuance of a permit, such information and data prove to be false, incomplete, or inaccurate, EGLE may modify, revoke, or suspend the permit, in whole or in part, in accordance with the new information.
- M. The permittee shall indemnify and hold harmless the State of Michigan and its departments, agencies, officials, employees, agents, and representatives for any and all claims or causes of action arising from acts or omissions of the permittee, or employees, agents, or representative of the permittee, undertaken in connection with this permit. The permittee's obligation to indemnify the State of Michigan applies only if the state: (1) provides the permittee or its designated representative written notice of the claim or cause of action within 30 days after it is received by the state, and (2) consents to the permittee's participation in the proceeding on the claim or cause of action. It does not apply to contested case proceedings under the Administrative Procedures Act, 1969 PA 306, as amended, challenging the permit. This permit shall not be construed as an indemnity by the State of Michigan for the benefit of the permittee or any other person.

- N. Noncompliance with these terms and conditions and/or the initiation of other regulated activities not specifically authorized shall be cause for the modification, suspension, or revocation of this permit, in whole or in part. Further, EGLE may initiate criminal and/or civil proceedings as may be deemed necessary to correct project deficiencies, protect natural resource values, and secure compliance with statutes.
- O. If any change or deviation from the permitted activity becomes necessary, the permittee shall request, in writing, a revision of the permitted activity from EGLE. Such revision request shall include complete documentation supporting the modification and revised plans detailing the proposed modification. Proposed modifications must be approved, in writing, by EGLE prior to being implemented.
- P. This permit may be transferred to another person upon written approval of EGLE. The permittee must submit a written request to EGLE to transfer the permit to the new owner. The new owner must also submit a written request to EGLE to accept transfer. The new owner must agree, in writing, to accept all conditions of the permit. A single letter signed by both parties that includes all the above information may be provided to EGLE. EGLE will review the request and, if approved, will provide written notification to the new owner.
- Q. Prior to initiating permitted construction, the permittee is required to provide a copy of the permit to the contractor(s) for review. The property owner, contractor(s), and any agent involved in exercising the permit are held responsible to ensure that the project is constructed in accordance with all drawings and specifications. The contractor is required to provide a copy of the permit to all subcontractors doing work authorized by the permit.
- R. Construction must be undertaken and completed during the dry period of the wetland. If the area does not dry out, construction shall be done on equipment mats to prevent compaction of the soil.
- S. Authority granted by this permit does not waive permit requirements under Part 91, Soil Erosion and Sedimentation Control, of the NREPA, or the need to acquire applicable permits from the County Enforcing Agent (CEA).
- T. Authority granted by this permit does not waive permit requirements under the authority of Part 305, Natural Rivers, of the NREPA. A Natural Rivers Zoning Permit may be required for construction, land alteration, streambank stabilization, or vegetation removal along or near a natural river.
- U. The permittee is cautioned that grade changes resulting in increased runoff onto adjacent property is subject to civil damage litigation.
- V. Unless specifically stated in this permit, construction pads, haul roads, temporary structures, or other structural appurtenances to be placed in a wetland or on bottomland of the water body are not authorized and shall not be constructed unless authorized by a separate permit or permit revision granted in accordance with the applicable law.
- W. For projects with potential impacts to fish spawning or migration, no work shall occur within fish spawning or migration timelines (i.e., windows) unless otherwise approved in writing by the Michigan Department of Natural Resources, Fisheries Division.
- X. Work to be done under authority of this permit is further subject to the following special instructions and specifications:
1. Authority granted by this permit does not waive compliance requirements under Part 91 of the NREPA. Any discharge of sediment into waters of the state and/or off the road right-of-way is a

violation of this permit, Part 91, and Part 31 of the NREPA. A violation of these parts subjects the permittee to potential fines and penalties.

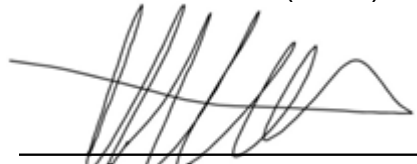
2. This permit does not authorize or sanction work that has been completed in violation of applicable federal, state, or local statutes.
3. The permittee is responsible for acquiring all necessary easements or rights-of-way before commencing any work authorized by this permit. All construction operations relating to or part of this project shall be confined to the existing right-of-way limits or other acquired easements.
4. Temporary soil erosion and sedimentation control measures shall be installed before or upon commencement of the earth change and shall be maintained daily. Temporary soil erosion and sedimentation control measures shall be maintained until permanent soil erosion and sedimentation control measures are in place and the area is stabilized. Permanent soil erosion and sedimentation control measures for all slopes, channels, ditches, or any disturbed area shall be installed within five (5) calendar days after final grading or the final earth change has been completed.
5. All raw areas in uplands resulting from the permitted construction activity shall be effectively stabilized with sod and/or seed and mulch (or other technology specified by this permit or project plans) in a sufficient quantity and manner to prevent erosion and any potential siltation to surface waters or wetlands. Temporary stabilization measures shall be installed before or upon commencement of the permitted activity, and shall be maintained until permanent measures are in place. Permanent measures shall be in place within five (5) days of achieving final grade.
6. All raw earth within 100 feet of a lake, stream, or wetland that is not brought to final stabilization by the end of the active growing season shall be temporarily stabilized with mulch blankets in accordance with the following dates: September 20 for the Upper Peninsula, October 1 for the Lower Peninsula north of US-10, and October 10 for the Lower Peninsula south of US-10.
7. This permit placard shall be kept posted at the work site, in a prominent location at all times for the duration of the project, or until permit expiration.
8. This permit is being issued for the maximum time allowed and no extensions of this permit will be granted. Initiation of the construction work authorized by this permit indicates the permittee's acceptance of this condition. The permit, when signed by the EGLE, will be for a five (5) year period beginning at the date of issuance. If the project is not completed by the expiration date, a new permit must be sought.
9. No instream work authorized by this permit is allowed from October 1 to May 15 due to critical spawning and migration periods.
10. All slurry resulting from any dewatering operation shall be discharged through a filter bag or pumped to a sump located away from wetlands and surface waters and allowed to filter through natural upland vegetation, gravel filters, or other engineered devices for a sufficient distance and/or period of time necessary to remove sediment or suspended particles. The discharge of slurry water resulting from the concrete repair is not allowed to enter a lake, stream, or wetland.
11. All fill/backfill shall consist of clean inert material that will not cause siltation nor contain soluble chemicals, organic matter, pollutants, or contaminants. All fill shall be contained in such a

manner so as not to erode into any surface water, floodplain, or wetland. All raw areas associated with the permitted activity shall be stabilized with sod and/or seed and mulch, riprap, or other technically effective methods as necessary to prevent erosion.

12. All excess dredge/excavated spoils including organic and inorganic soils, vegetation, and other material removed shall be placed on upland (non-wetland, non-floodplain or non-bottomland), prepared for stabilization, and revegetated and reseeded with native Michigan species appropriate to the site and mulched in such a manner so as to prevent and ensure against erosion of any material into any waterbody, wetland, or floodplain.
13. During repair of the existing structure, every precaution shall be taken to prevent debris from entering any watercourse. Any debris reaching the watercourse during the repair of the structure shall be immediately retrieved from the water. All material shall be disposed of in an acceptable manner consistent with local, state, and federal regulations.
14. Prior to the removal of the existing structures located in the water or wetland; cofferdams of interlocking steel sheet piling or other acceptable barriers approved in advance by the Engineer shall be installed to isolate all construction activities from the stream. The cofferdam shall be maintained in good working order throughout the duration of the project. Upon project completion, the accumulated materials inside the cofferdam shall be removed and disposed of at an upland site.
15. All cofferdam and temporary steel sheet pile shall then be removed in its entirety, unless specifically shown to be left in place on the plans. Cofferdam and sheet pile that are to remain shall be cut off at the elevation shown on the plan. Cofferdam and sheet pile left above the stream bottom must be approved by EGLE. Areas where the sheet piling is cut off shall be covered with riprap as shown in the plans or backfilled with other acceptable material approved in advance by the Engineer and EGLE. Projects where the cofferdam is cut off less than one (1) foot below the stream bottom must be submitted for individual review before any revision to current permit conditions will be allowed.
16. Road fill side slopes terminating in the stream and any raw streambanks resulting from the construction, shall be stabilized with temporary measures in accordance with appropriate Best Management Practices based on site conditions, and if necessary, may be riprapped extending above the ordinary high-water mark, before or upon commencement of the permitted activity. Temporary stabilization measures shall be maintained until permanent measures are in place.
17. All other road fill slopes, ditches, and other raw areas draining directly to the stream may be protected with riprap, sod and/or seed and mulch as may be necessary to provide effective erosion protection. The placement of riprap shall be limited to the minimum necessary to ensure proper stabilization of the side slopes and fill in the immediate vicinity of the structure.
18. If the project, or any portion of the project, is stopped and lies incomplete for any length of time (other than that encountered in a normal work week) every precaution shall be taken to protect the incomplete work from erosion, including the placement of temporary gravel bag riprap, temporary seeding and mulching, or other acceptable temporary protection.
19. No work shall be done in the stream during periods of above-normal flows except as necessary to prevent erosion.

- 20. Prior to the start of construction, all adjacent non-work wetland areas shall be protected by properly trenched sedimentation barrier to prevent sediment from entering the wetland. Sedimentation barrier shall be maintained daily throughout the construction process. Upon project completion, the accumulated materials shall be removed and disposed of at an upland site. The sedimentation barrier shall then be removed in its entirety and the area restored to its original configuration and cover.
- 21. The 100-year floodplain elevation of Cedar Creek at the crossing site is 1,669.3 feet North American Vertical Datum of 1988 (NAVD 88) under proposed conditions. All excess materials remaining upon completion of the work shall be removed immediately from the floodplain.
- 22. Any alterations to the existing road grade elevations other than that shown on the plans will require prior approval from the Water Resources Division (WRD).

Issued By:



John Gustafson
 Transportation Review Unit
 Water Resources Division
 906-203-9887

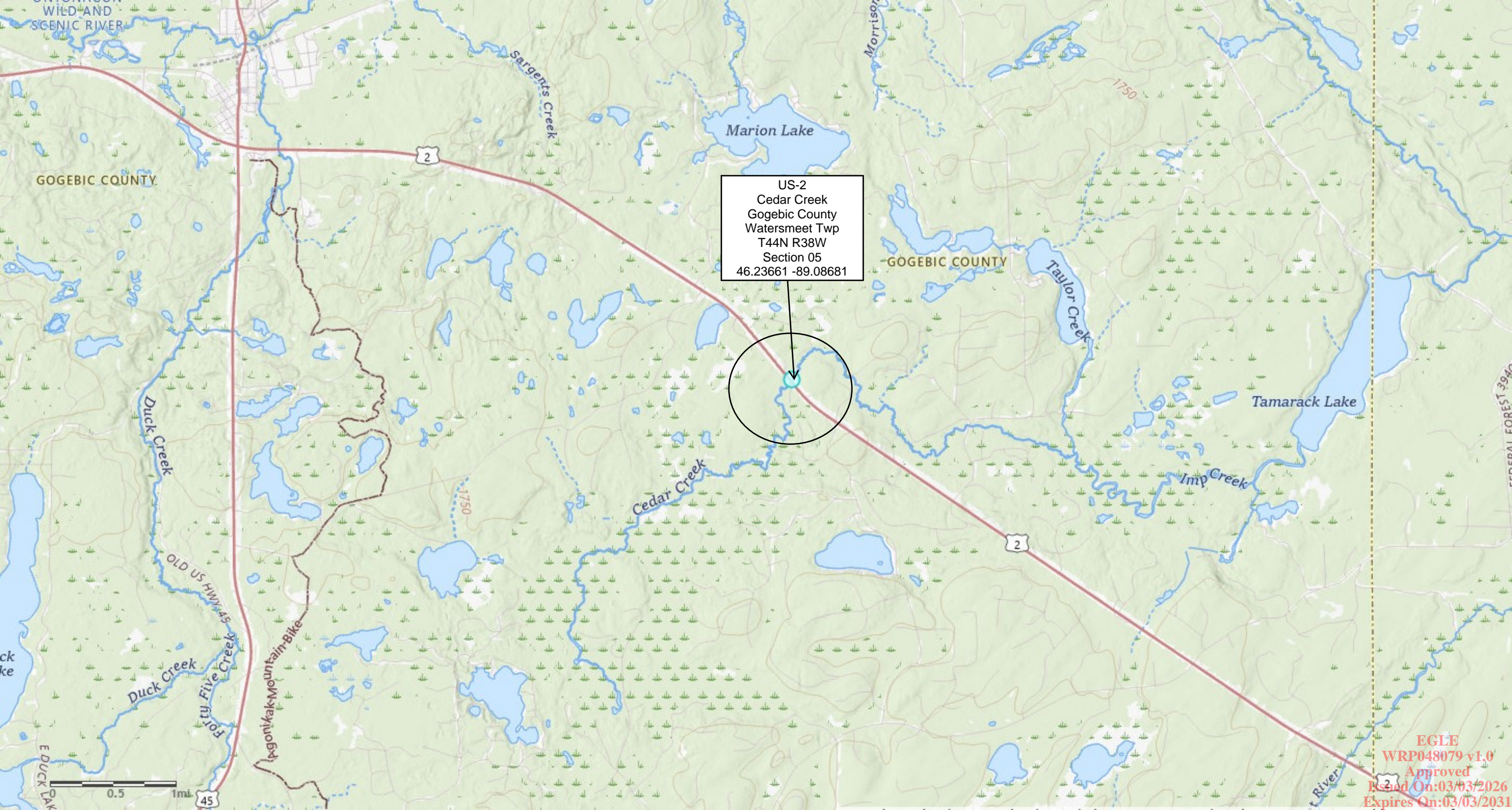
THIS PERMIT MUST BE SIGNED BY THE PERMITTEE TO BE VALID.

I hereby assure that I have read, am familiar with, and agree to adhere to the terms and conditions of this permit.

Permittee Signature

Date

cc: Watersmeet Township Clerk
Gogebic County CEA



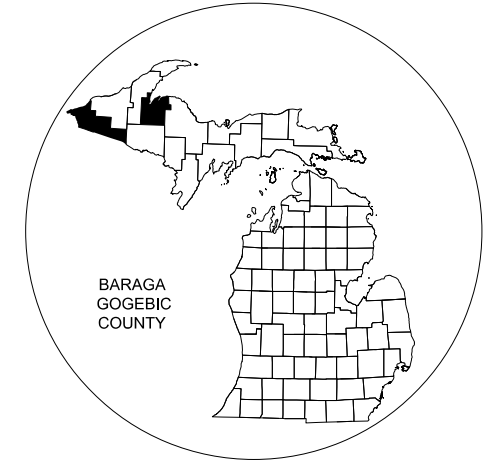
US-2
Cedar Creek
Gogebic County
Watersmeet Twp
T44N R38W
Section 05
46.23661 -89.08681



MICHIGAN DEPARTMENT OF TRANSPORTATION

ROUTES: US-2 & US-41

BARAGA, WAKEFIELD AND WATERSMEET TOWNSHIPS
COUNTIES OF BARAGA & GOGEBIC



COUNTY KEY

ROAD	YEAR	TRAFFIC DATA			SPEED DATA			LIMITS
		ADT	DHV	COMM	DESIGN	POSTED		
US-41	2026	2950	12%	9%	70			
	2046	5800	12%	9%	70	**		
US-2	2026	1415	13%	17%	70			
	2046	1560	13%	17%	70			

SECTION	CONTROL SEC	JOB NO.	FED AID PROJ
1 & 2	07013	224675A	YES
1 & 2	27022	224675A	YES
1 & 2	27024	224675A	YES

NOTES:

THE REHABILITATION DESIGN IS BASED ON THE 17TH EDITION OF AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES HS20-44. THE ORIGINAL STRUCTURE WAS DESIGNED FOR XXXXX(AND ALTERNATE MILITARY*) LOADING BASED ON AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.

EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS, OR IN THE PROPOSAL AND SUPPLEMENTAL SPECIFICATIONS CONTAINED HEREIN, PERFORM ALL WORK ACCORDING TO THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION 2020 EDITION.

THE DESIGN OF THE STRUCTURAL MEMBERS IS BASED ON MATERIAL OF THE FOLLOWING GRADES AND STRESSES:
 CONCRETE:
 GRADE 3500, 3500HP* f_c = 3,000 psi
 STEEL REINFORCEMENT f_y = 60,000 psi
 STRUCTURAL STEEL:
 AASHTO M270 F_y = 36,000 psi
 GRADE 36

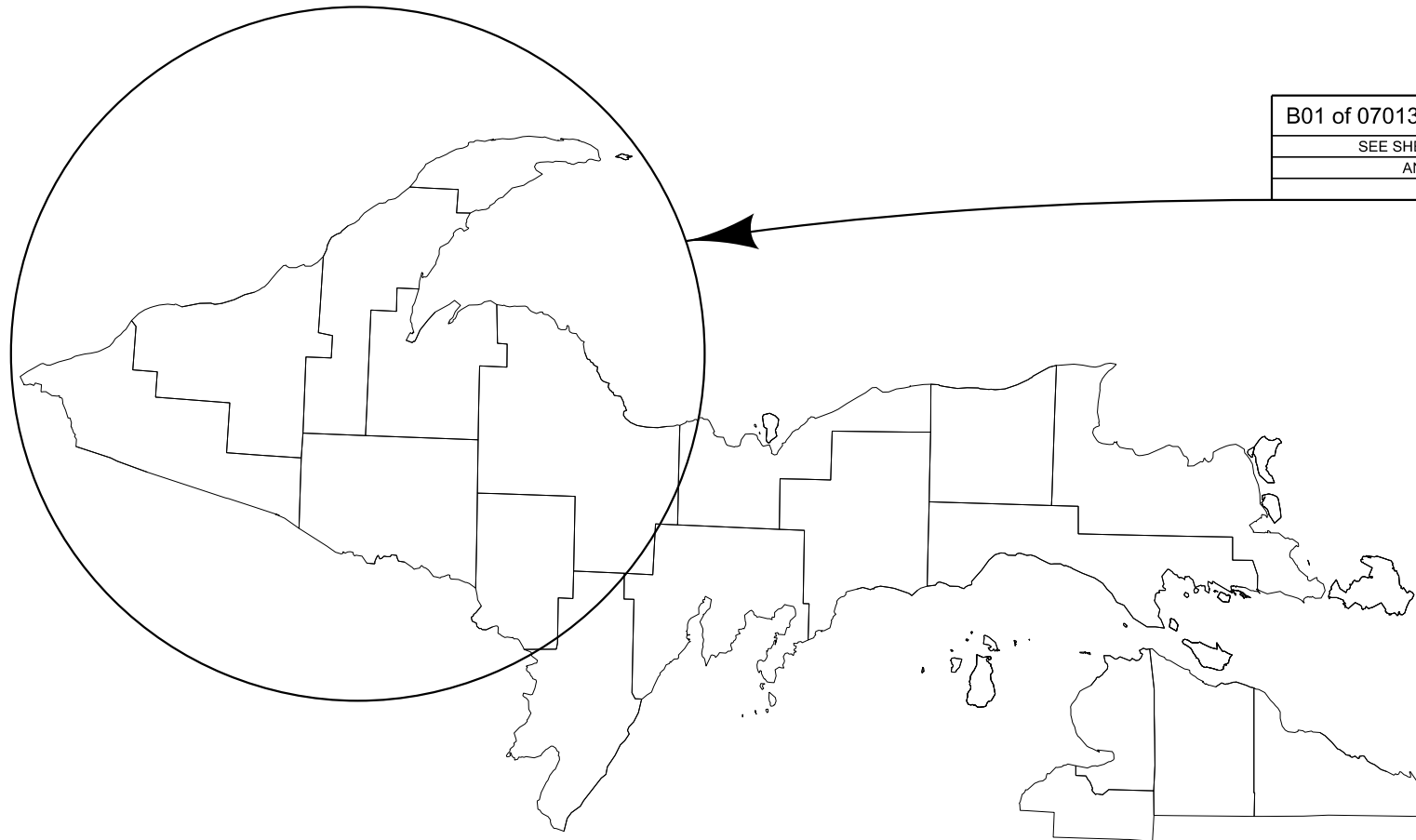
BEVEL ALL EXPOSED CONCRETE CORNERS SHOWN SQUARE ON THE PLANS WITH 1/2" TRIANGULAR MOLDINGS EXCEPT AS OTHERWISE NOTED.

OLD PLANS DO NOT EXIST FOR THIS STRUCTURE.

AN FAA DETERMINATION (,) (AND) (MICHIGAN TALL STRUCTURE PERMIT) (,) (AND) (LOCAL AIRPORT ZONING PERMIT) (HAVE) (HAS) BEEN OBTAINED FOR THIS PROJECT. PERFORM ALL WORK IN COMPLIANCE WITH (THIS) (THESE) PERMIT(S).

THIS PROJECT HAS BEEN EVALUATED USING THE FAA OBSTRUCTION EVALUATION PRE-SCREENING TOOL FOR A STRUCTURE HEIGHT OF ____ FEET ABOVE A GROUND LEVEL ELEVATION OF ____ FEET AND NO PERMITS ARE REQUIRED.

DO NOT OPEN STRUCTURE(S) TO TRAFFIC UNTIL ALL PROPOSED CONCRETE ATTAINS 100% OF ITS SPECIFIED STRENGTH.



B01 of 07013 - B01 of 27022 - B01 of 27024
 SEE SHEET 2 FOR SPECIFIC LOCATIONS
 AND STRUCTURE NUMBERS
 JN: 224675



THE REGULATED WASTE ACTIVITY IDENTIFICATION NUMBERS FOR THIS PROJECT ARE AS FOLLOWS:

CONTROL SECTION NUMBER

MICHIGAN DEPARTMENT OF TRANSPORTATION

BRADLEY C. WIEFERICH, P.E. - DIRECTOR

MILES:
 CONTRACT FOR:
 WINGWALL REPAIRS UTILIZING SOIL NAILS

FINAL ROW PLAN REVISIONS				SUBMITTAL DATE:			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



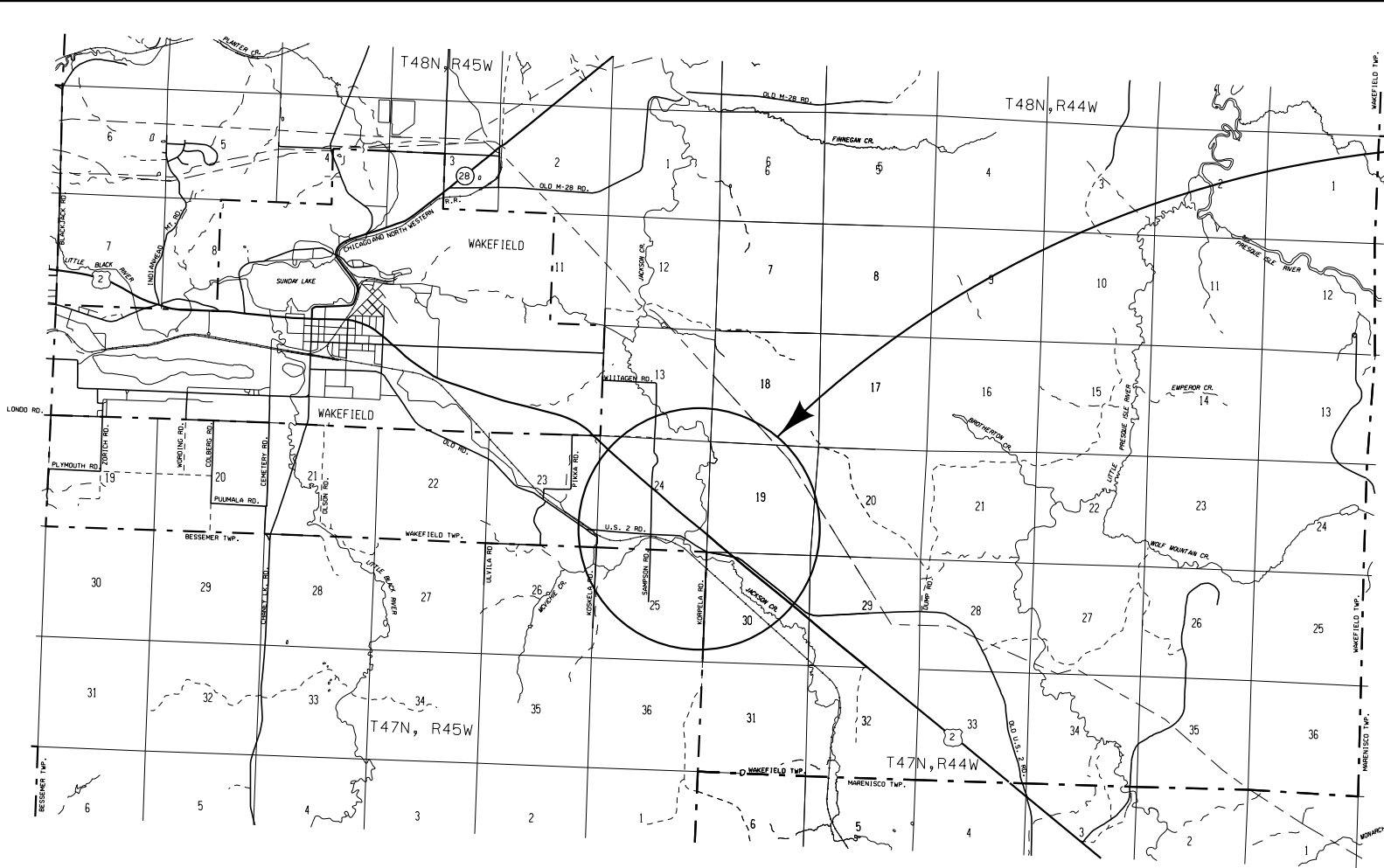
NO SCALE

DRAWN BY: TJM	DATE: 02/09/2026	CS: 07013, 07022, 07024
CHK'D BY: CORR BY:	DESIGN UNIT: DONOSO	JN: 224675
FILE: 224675_Title.dgn	TSC: CHRYSTAL FALLS	

TITLE SHEET

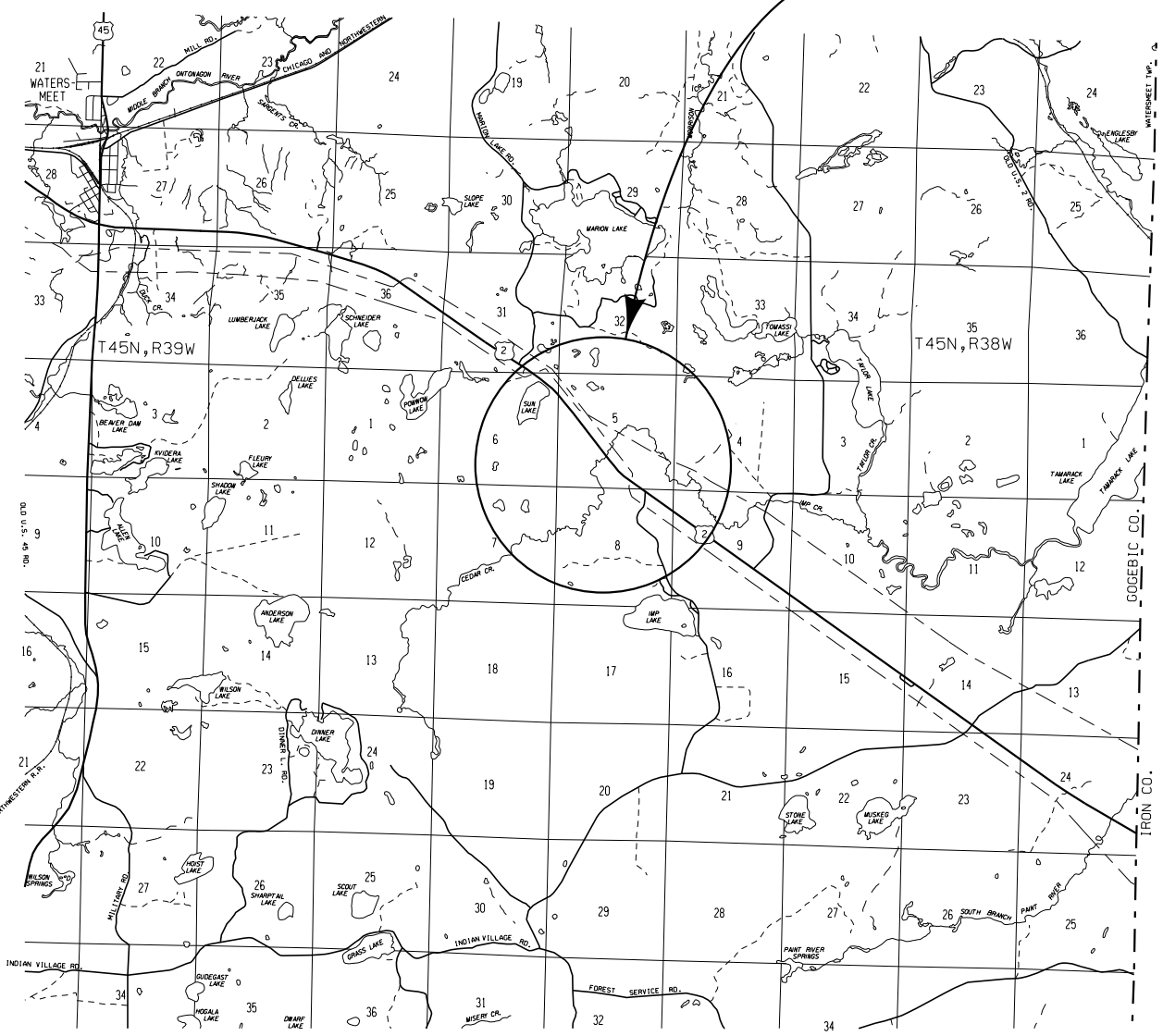
DRAWING SHEET
 WRP0480111.0
 TITLE SHEET
 001

Issued On: 03/03/2026
 Expires On: 03/03/2031

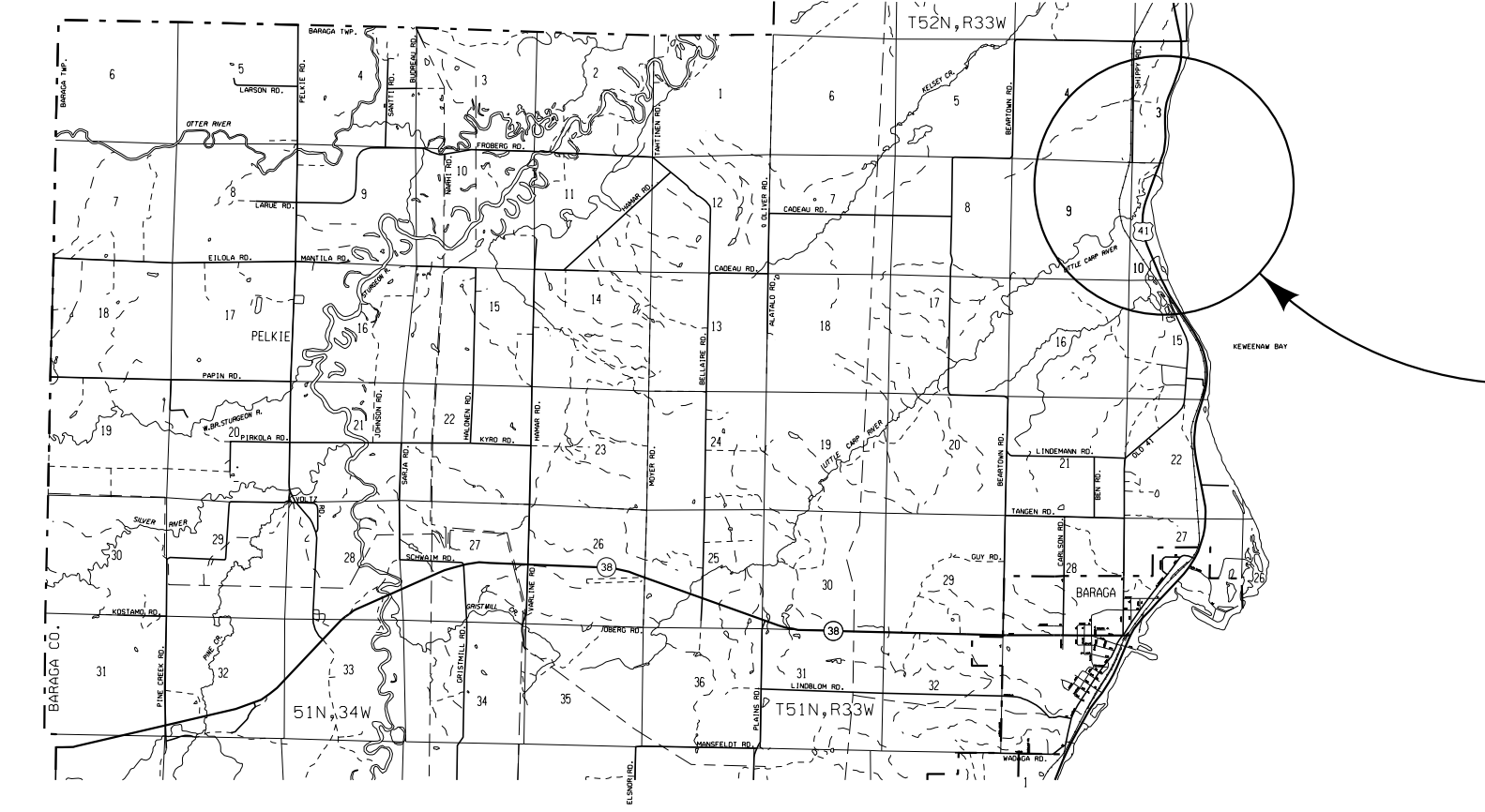


B01 OF 27022
 US-2 OVER JACKSON CR.
 STRUCTURE NUMBER: 2953
 JN: 224675

B01 OF 27024
 US-2 OVER CEDAR CR.
 STRUCTURE NUMBER: 2963
 JN: 224675



B01 OF 07013
 US-41 OVER LITTLE CARP CR.
 STRUCTURE NUMBER: 488
 JN: 224675



FINAL ROW PLAN REVISIONS						SUBMITTAL DATE:					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION				



NO SCALE

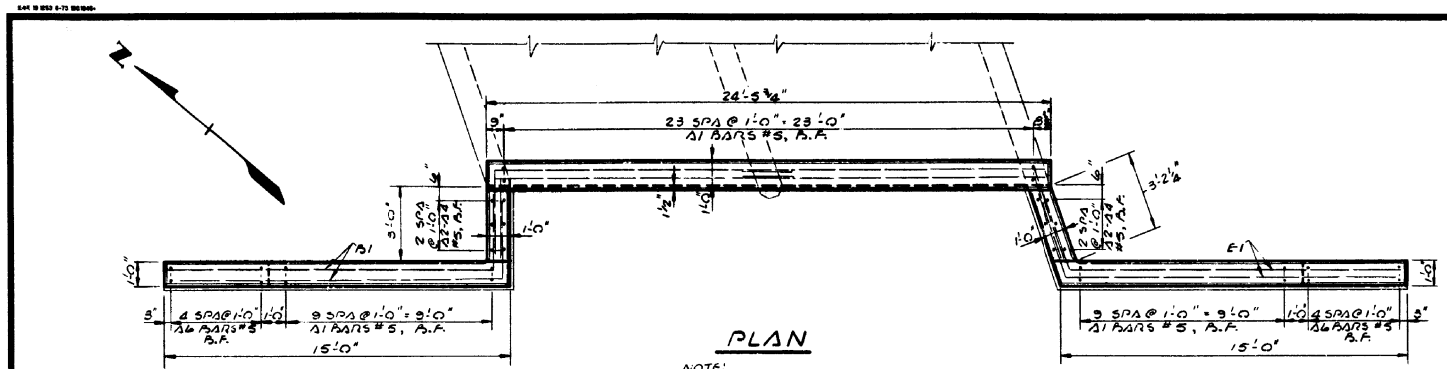
DRAWN BY: TJM
 CHK'D BY: CORR BY:
 FILE: 224675_Title.dgn

DATE: 11-06-2025
 DESIGN UNIT: DONOSO
 TSC: CHRYSTAL FALLS

CS:
 JN: 224675

TITLE SHEET
 DRAWING SHEET
 WRP0480 SECT 20
 TITLE
 002

Issued On: 03/03/2026
 Expires On: 03/03/2031



PLAN

NOTE:
NORTH END ALTERATION
OF CULVERT IS SAME AS
SOUTH END.

STEEL REINFORCEMENT SCHEDULE

NO.	DIMENSIONS				SIZE	LGTH	NO.	WT
	a	b	c	d				
A1	2'-9"				#5	2'-9"	16	50.5
A2	3'-8"				#5	3'-8"	8	27
A3	3'-11"				#5	3'-11"	8	38
A4	4'-7"				#5	4'-7"	8	38
A5	5'-6"				#5	5'-6"	8	46
A6	7'-6"				#5	7'-6"	40	313
A7	4'-0"				#5	4'-0"	40	167
A8	13'-0"				#5	13'-0"	8	108
B1	14'-0"	3'-0"			#5	17'-0"	12	213
B2	13'-0"	1'-4"			#5	14'-4"	4	60
B3	13'-0"	2'-9"			#5	15'-9"	4	66
E1	14'-0"	3'-3"	3'-0"	1'-1 1/2"	#5	17'-7"	12	220
E2	5'-0"	1'-5"	1'-4"	0'-5"	#5	14'-5"	4	60
E3	13'-0"	2'-11"	2'-8"	1'-0"	#5	15'-11"	4	66

TOTAL WEIGHT OF STEEL - 1,922 LBS.

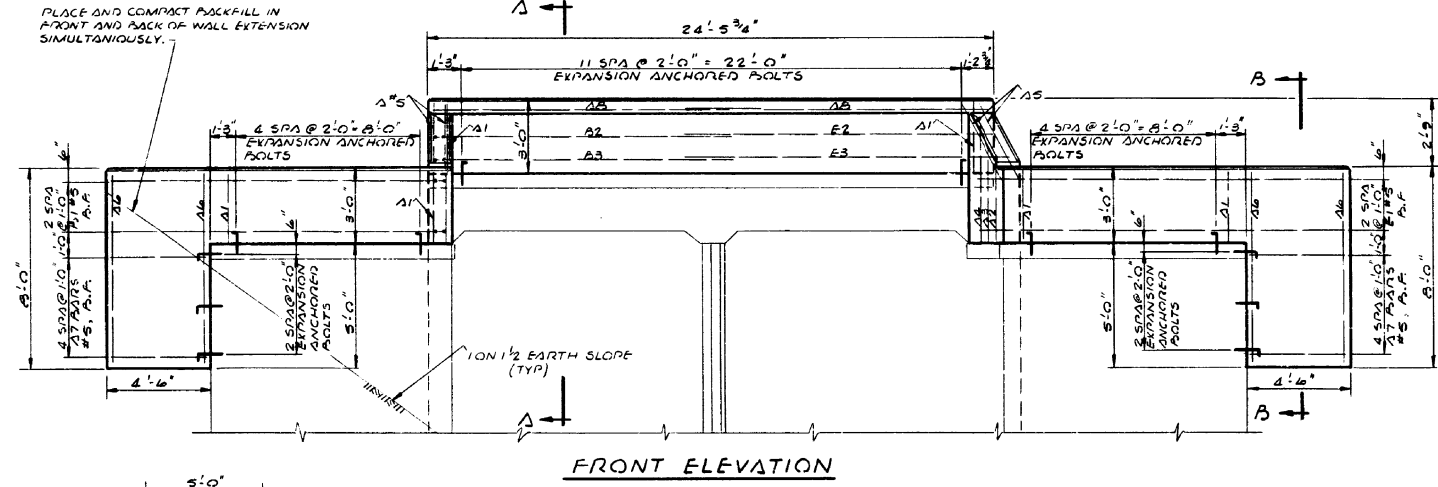
MISCELLANEOUS QUANTITIES

GRADE 355 CONCRETE	17.3 CYD.
5/8"x11" EXPANSION ANCHORED BOLTS	56 EA.

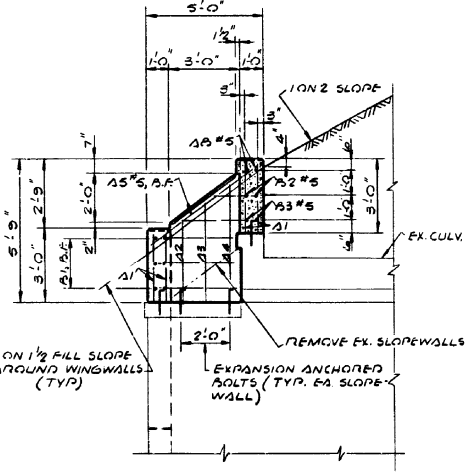
* QUANTITIES SHOWN ARE FOR BOTH ENDS OF CULVERT.

NOTES:

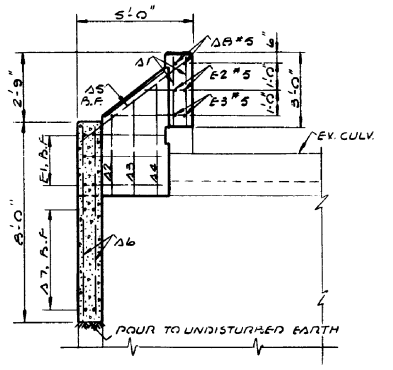
- GRADE 355 CONCRETE TO BE USED IN THIS STRUCTURE. EXPOSED EDGES OF CONCRETE TO BE BEVELED ONE HALF INCH.
- APPLY JOINT WATERPROOFING OVER ALL CONSTRUCTION JOINTS. (NOT A PAY ITEM)
- EXPANSION ANCHORED BOLTS SHALL CONFORM TO CURRENT SPECIFICATIONS.
- THE GRADES AND WORKING STRESSES OF STRUCTURAL MATERIALS USED IN THESE CULVERT END ALTERATIONS ARE AS FOLLOWS:
CONCRETE - GRADE 355 $f'_c = 3,000$ PSI
STEEL REINFORCEMENT $f_s = 20,000$ PSI
- THE CULVERT END ALTERATION SHOWN IS TO BE PLACED ON THE RIGHT AND LEFT ENDS OF THE EXISTING 10'x8' TWIN BOX CULVERT AT STA 338+08, US-2.



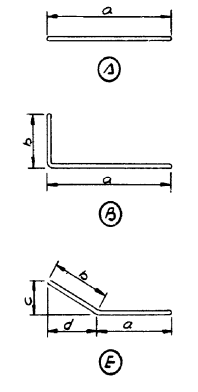
FRONT ELEVATION



SECTION A-A



SECTION B-B



BAR BENDING DIAGRAM

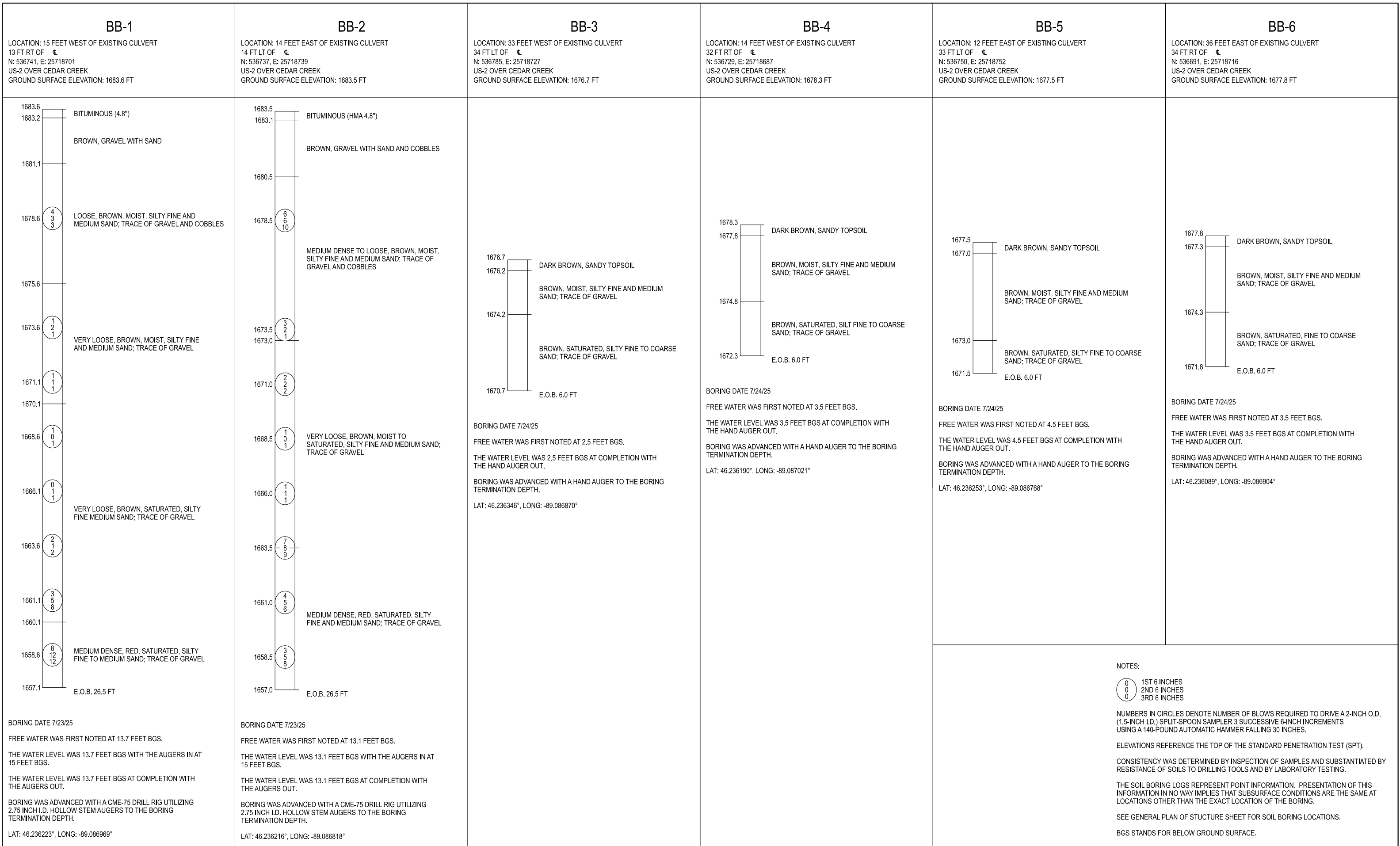
MICHIGAN DEPARTMENT OF STATE HIGHWAYS
10'x8' TWIN BOX CULVERT END ALTERATIONS - STA 338+08 US-2

REVISIONS		DATE	
NO.	DESCRIPTION	DATE	BY


27024 07048A

DO NOT WORK FROM THIS SHEET. THE INFORMATION SHOWN HERE IS FOR REFERENCE ONLY. NO PAY ITEMS ARE SHOWN.

FINAL ROW PLAN REVISIONS				SUBMITTAL DATE:					NO SCALE	DRAWN BY: TJM CHK'D BY: CORR BY: FILE: B01_27024_FIOs.dgn	DATE: 01/20/2026 DESIGN UNIT: DONOSO TSC: CHRYSTAL FALLS	CS: B01 OF 27024 JN: 224675	EXISTING GENERAL PLAN OF STRUCTURE FOR INFORMATION ONLY	DRAWING SHEET B01 OF 20 FIO 002
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION			WRP 0301	SECT 2.0	Approved		



NOTES:


 1ST 6 INCHES
 2ND 6 INCHES
 3RD 6 INCHES

NUMBERS IN CIRCLES DENOTE NUMBER OF BLOWS REQUIRED TO DRIVE A 2-INCH O.D. (1.5-INCH I.D.) SPLIT-SPOON SAMPLER 3 SUCCESSIVE 6-INCH INCREMENTS USING A 140-POUND AUTOMATIC HAMMER FALLING 30 INCHES.


ELEVATIONS REFERENCE THE TOP OF THE STANDARD PENETRATION TEST (SPT).

CONSISTENCY WAS DETERMINED BY INSPECTION OF SAMPLES AND SUBSTANTIATED BY RESISTANCE OF SOILS TO DRILLING TOOLS AND BY LABORATORY TESTING.

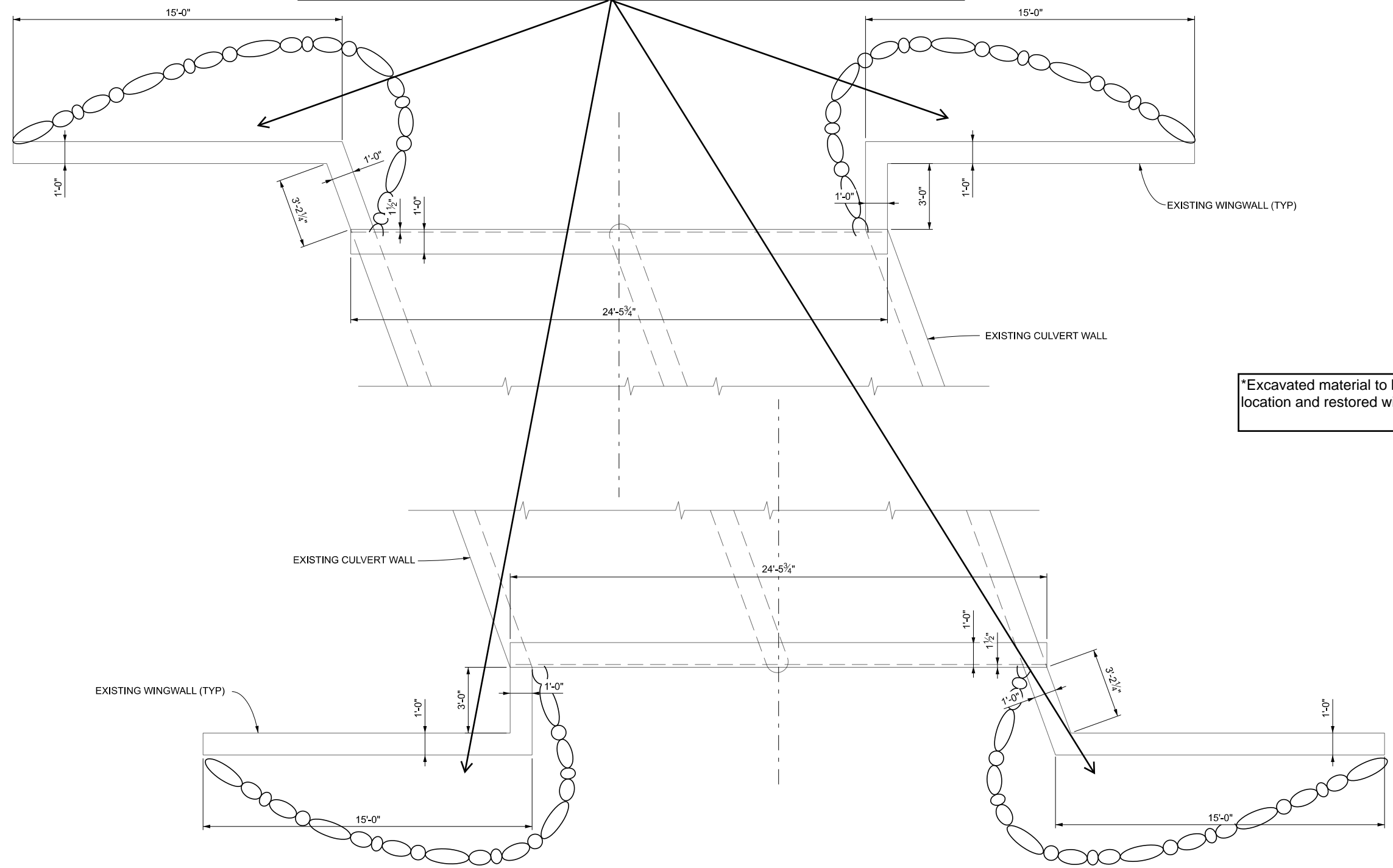
THE SOIL BORING LOGS REPRESENT POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY IMPLIES THAT SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING.

SEE GENERAL PLAN OF STRUCTURE SHEET FOR SOIL BORING LOCATIONS.

BGS STANDS FOR BELOW GROUND SURFACE.

FINAL ROW PLAN REVISIONS				SUBMITTAL DATE:					NO SCALE	DATE: 10/03/2025 DESIGN UNIT: DONOSO TSC: CRYSTAL FALLS	CS: B01 OF 27024 JN: 224675	SOIL BORING DATA US-2 OVER CEDAR CREEK	DRAWING SHEET B01 OF 110 BORING Approved
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION						

Wetland/Floodplain Excavation:					
Location	Height (ft)	Length (ft)	depth (ft)	Area (sft)	(Cyd)
Eastern quadrant	15.00	10.00	4.00	60.00	9
Western quadrant	15.00	10.00	4.00	60.00	9
Northern quadrant	15.00	10.00	4.00	60.00	9
southern quadrant	15.00	10.00	4.00	60.00	9



*Excavated material to be replaced in same location and restored with seed, mulch blanket.

PLAN VIEW

FINAL ROW PLAN REVISIONS		SUBMITTAL DATE:	
NO.	DATE	AUTH	DESCRIPTION



NO SCALE

DRAWN BY: TJM
 CHK'D BY: CORR BY:
 FILE: B01_27024_Culvert rehab.dgn

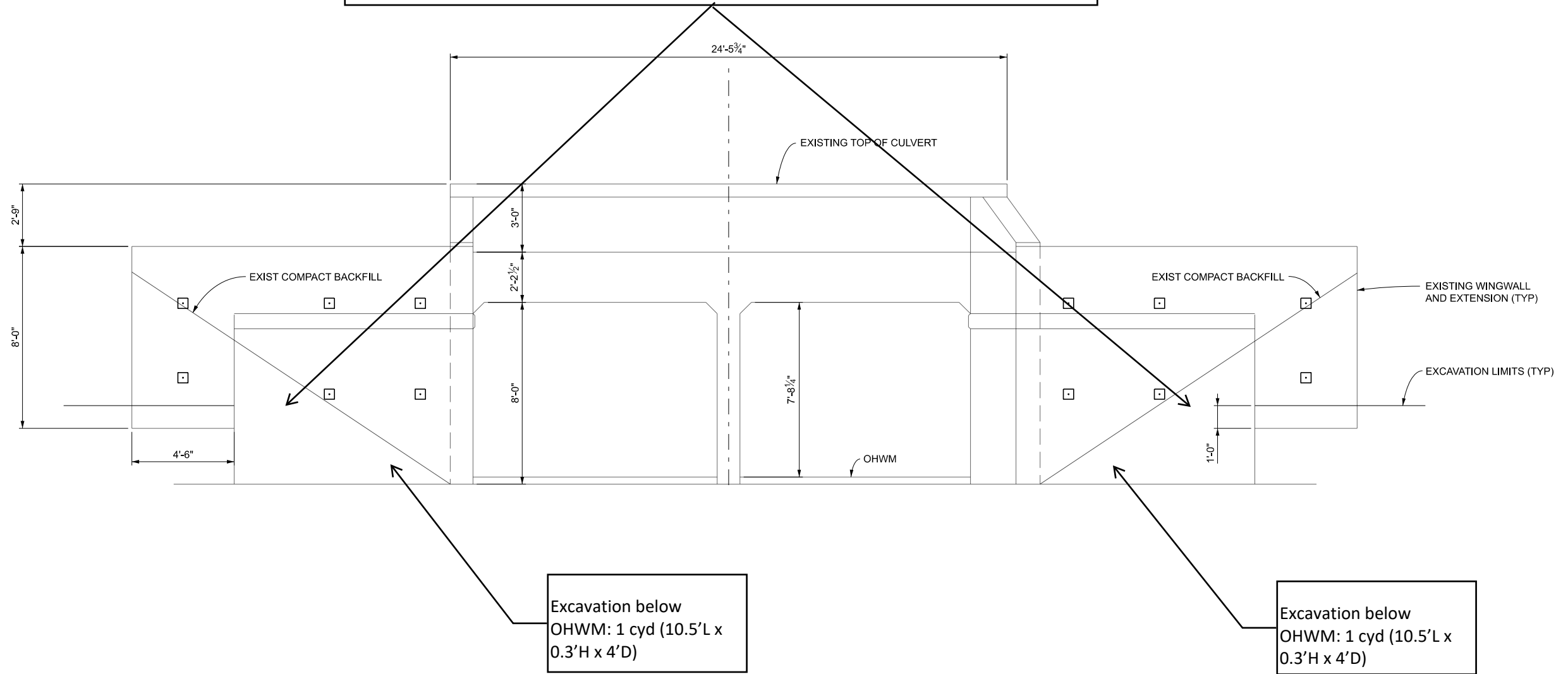
DATE: 02-09-2026
 DESIGN UNIT: DONOSO
 TSC: CHRYSTAL FALLS

CS: B01 OF 27024
 JN: 224675

DRAWING SHEET	B01	SECT 2.0
CULVERT REHABILITATION DETAILS	REHAB	001

Issued On: 03/03/2026
 Expires On: 03/03/2031

Wetland/Floodplain Excavation:					
Location	Height (ft)	Length (ft)	depth (ft)	Area (sft)	Volume (Cyd)
Eastern quadrant	15.00	10.00	4.00	60.00	9
Western quadrant	15.00	10.00	4.00	60.00	9
Northern quadrant	15.00	10.00	4.00	60.00	9
southern quadrant	15.00	10.00	4.00	60.00	9



FRONT ELEVATION

*Excavated material to be replaced in same location and restored with seed, mulch blanket.

FINAL ROW PLAN REVISIONS				SUBMITTAL DATE:			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



NO SCALE

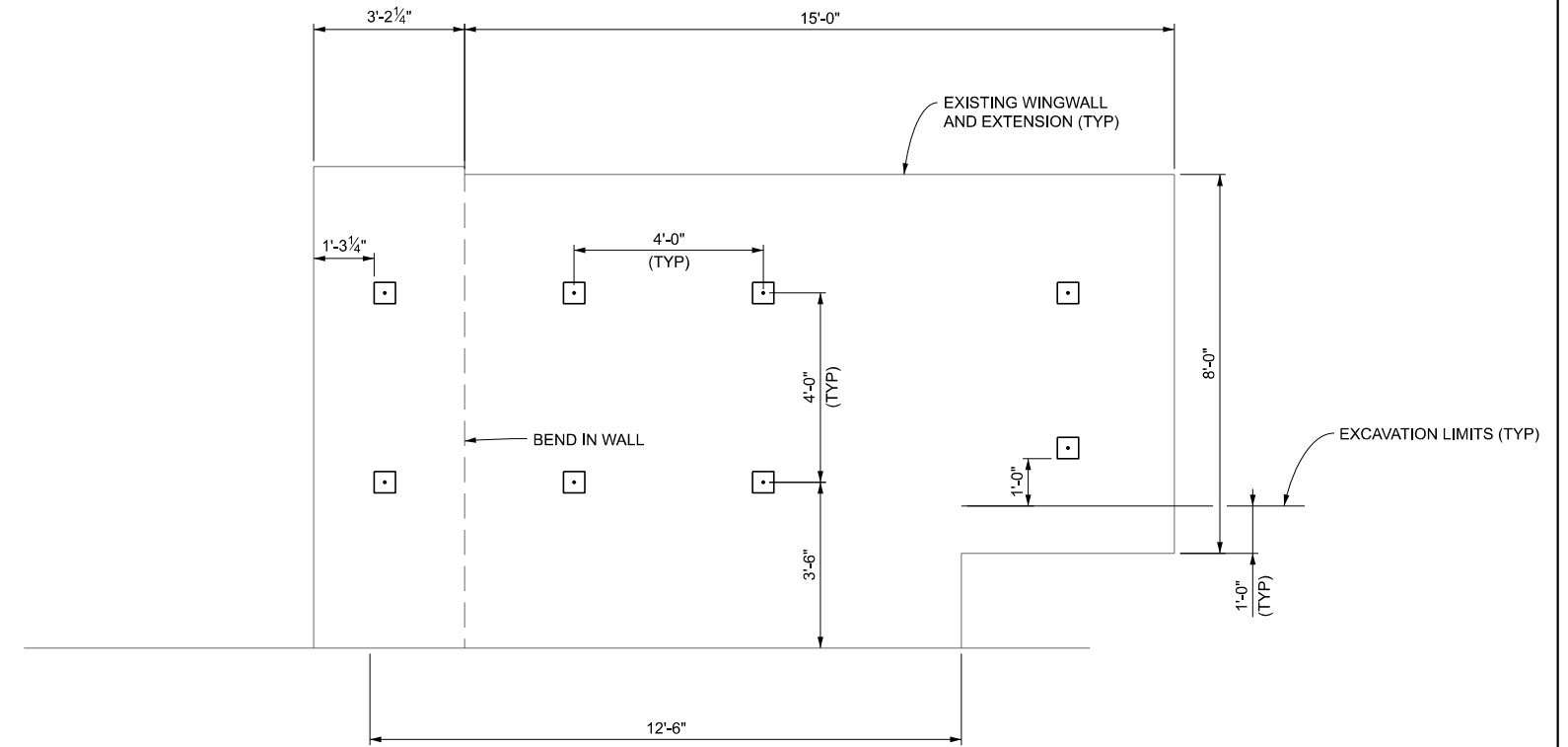
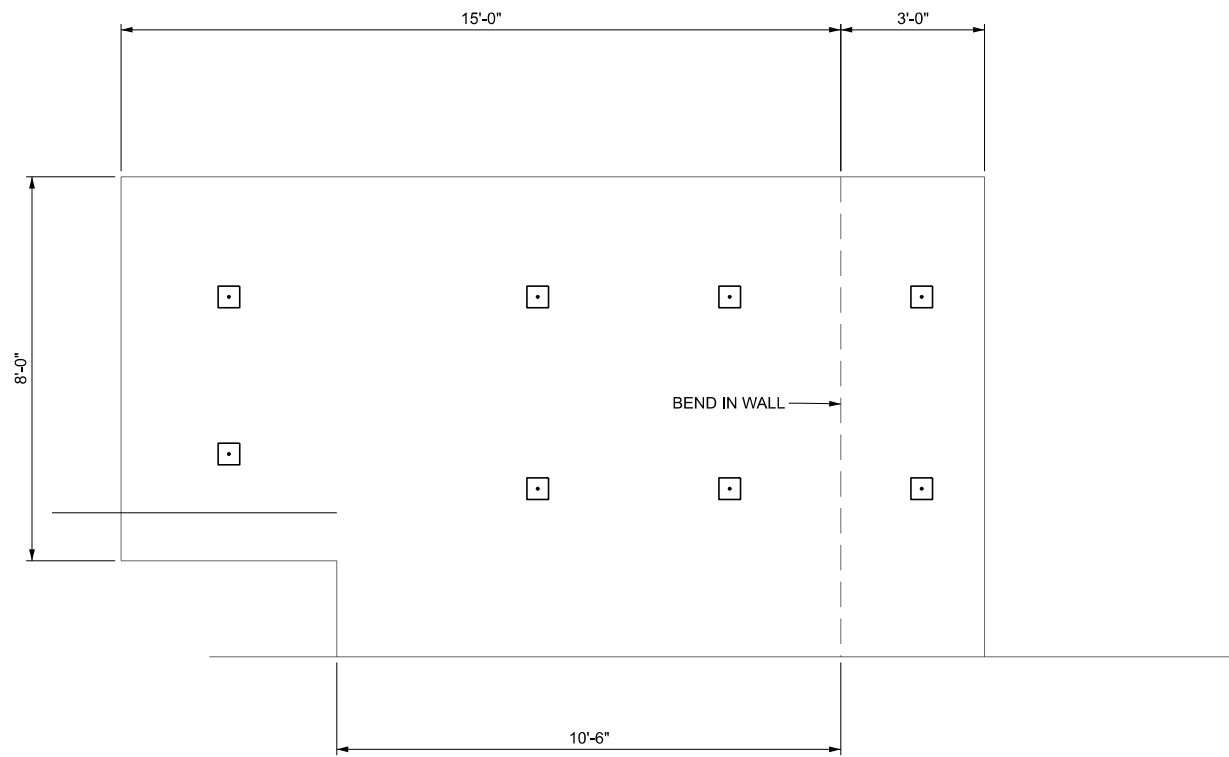
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 FILE: B01_27024_Culvert rehab.dgn

DATE: 02-09-2026
 DESIGN UNIT: DONOSO
 TSC: CHRYSTAL FALLS

CS: B01 OF 27024
 JN: 224675

CULVERT REHABILITATION DETAILS

DRAWING SHEET
 B01 OF 20
 REHAB
 001



SOIL NAIL ELEVATION DETAIL

FINAL ROW PLAN REVISIONS				SUBMITTAL DATE:			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



NO SCALE

DRAWN BY: TJM

DATE: 02-09-2026

CS: B01 OF 27024

CHK'D BY: CORR BY:

DESIGN UNIT: DONOSO

JN: 224675

FILE: B01_27024_Culvert rehab.dgn

TSC: CHRYSTAL FALLS

CULVERT REHABILITATION DETAILS

DRAWING SHEET
B01 OF 27024
REHAB
001

WRP 03032026
Approved

Issued On: 03/03/2026
Expires On: 03/03/2031



Michigan Department of Environment, Great Lakes, and
Energy Water Resources Division

NOTICE OF COMPLETION

I hereby give notice to the Michigan Department of Environment, Great Lakes, and Energy that the project, which was permitted under applicable statute provisions, has been completed.

PERMIT NUMBER	COUNTY
PROJECT COMPLETION DATE	AREA CODE AND TELEPHONE NUMBER
PERMITTEE'S SIGNATURE	

Noncompliance with reporting requirements may result in monetary penalty. Completion of this form is required under the authority of the applicable parts of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

Once complete please via email to staff or my mail to:
EGLE WRD
Transportation Review Unit
P.O. Box 30458
Lansing, Michigan 48909-7958